

Appl. No. 10/713,231

**Amendments to the Abstract:**

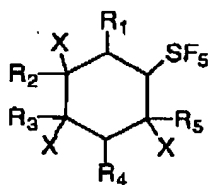
Please replace the Abstract with the following rewritten Abstract:

**ABSTRACT OF THE DISCLOSURE**

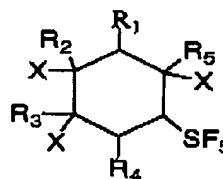
A new route has been found leading to the formation of pentafluorosulfuranyl arylenes. In its broadest aspect the process comprises:

effecting dehydrohalogenation or dehydrogenation of a pentafluorosulfuranyl cycloaliphatic compound represented by either of the structures:

A



B

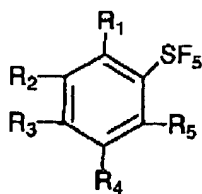


and

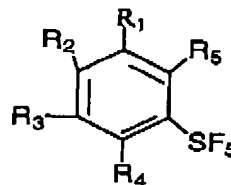
wherein R<sub>1</sub>, R<sub>2</sub>, R<sub>3</sub>, R<sub>4</sub>, and R<sub>5</sub> are H, halogen, C<sub>1-10</sub> alkyl, C<sub>1-10</sub> alkoxy, C<sub>1-10</sub> thioalkyl, C<sub>1-10</sub> alkyl ether, list more, R<sub>2</sub>, R<sub>3</sub>, R<sub>4</sub>, and R<sub>5</sub> are H and R<sub>1</sub> is H repeated R<sub>1</sub> aryl and substituted aryl, thioether, sulfonyl, carboalkoxy, alkylamino, arylamino, alkylphosphoryl, alkylphosphonyl, arylphosphonyl, arylphosphoryl and mixtures thereof and X is a halogen atom

to form the pentafluorosulfuranyl arylene represented by the structures:

C



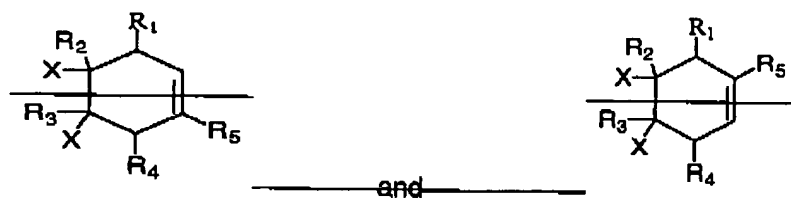
D



and

wherein R<sub>1</sub>-R<sub>5</sub> are as represented in compound represented by the structures A and B above.

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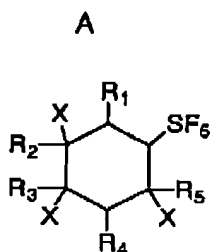
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Enclosed herewith is a clean version of the abstract that incorporates the revisions made.

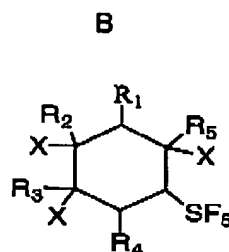
#### ABSTRACT OF THE DISCLOSURE

A new route has been found leading to the formation of pentafluorosulfuranyl arylenes. In its broadest aspect the process comprises:

effecting dehydrohalogenation or dehydrogenation of a pentafluorosulfuranyl cycloaliphatic compound represented by either of the structures:

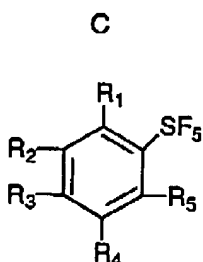


and

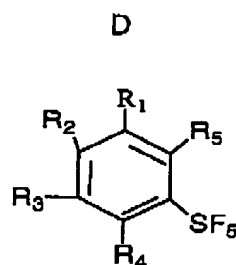


wherein R<sub>1-5</sub> are H, halogen, C<sub>1-10</sub> alkyl, C<sub>1-10</sub> alkoxy, C<sub>1-10</sub> thionyl, C<sub>1-10</sub> alkyl ether, aryl and substituted aryl, thioether, sulfonyl, carboalkoxy, alkylamino, arylamino, alkylphosphoryl, alkylphosphonyl, arylphosphonyl, arylphosphoryl, and mixtures thereof and X is a halogen atom

to form the pentafluorosulfuranyl arylene represented by the structures:



and



wherein R<sub>1-5</sub> are as represented above.